

■ WARNINGS

TO Prevent fire or shock hazard, do not use this plug with an extension cord, receptacle or add other outlet unless the blades can be fully inserted to prevent blade exposure. To prevent fire or shock hazard, do not expose this appliance to rain or moisture.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of 'uninsulated' dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

WARNING

**RISK OF ELECTRICSHOCK
DO NOT OPEN**

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK),NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance

IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instruction.
- 2 keep these instructions.
- 3 heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this product near water (swimming pool, beach, lake etc.).
- 6 Clean only with a dry cloth.
- 7 Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions .
- 8 Do not install near any heat sources such as radiators, heat registers . Stoves or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at receptacles and the point where they exit from the stereo.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Unplug this apparatus during lightning storms or when unused for long periods of time
- 13 Refer all servicing to qualified service personnel. Servicing is required when the system has been damaged in any way, such as a damaged power-supply cord or plug . Has been exposed to rain or moisture ,does not operate normally , or has been dropped.
- 14 This appliance should not be exposed to dripping water or splashing water and objects filled with water, such as vases, should not be placed on this unit

Before Use

- Choose unit installation location carefully . Avoid placing it in direct sunlight or close to a source of heat . Also avoid locations subject to vibrations and excessive dust , cold or moisture . Keep away from sources that hum , such as transformers or motors .
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock . If a foreign object should get into the set , contact your dealer .
- Be sure not to handle discs with dirty fingers . Never insert a disc that has a crack on the surface .
- When removing the power plug from the wall outlet , always pull directly on the plug , never yank the cord .
- To keep the laser pickup clean , do not touch it , and do not forget to close the disc tray .
- Do not attempt to clean the unit with chemical solvents as this might damage the finish . Use a clean , dry cloth .
- Keep this manual in a safe place for future reference .

Beware of Condensation

When the player (or a compact disc) is moved from a cold to a warm place or is used after a sudden temperature change , there is the danger of condensation . Water vapor in the air could condense on the mechanism or the laser pickup . If droplets of water form on these parts , correct playback will be impossible because the laser cannot read the information from the disc correctly . To prevent this , if you are going to use the player in a condition where condensation could occur , you should leave the player for 1 or 2 hours after plugging it into an AC outlet depending on the amount of condensation . If this is done , the player will stabilize at the temperature of its surroundings .

For U.S.A.

TO THE USER

This equipment has been tested and found to comply with the limits for a Class B digital device , pursuant to Part 15 of the FCC Rules . These limits are designed to provide reasonable protection against interference in a residential area . This device generates and uses radiofrequency energy and if not installed and used in accordance with the instructions , it may cause interference to radio or TV reception . If this unit does cause interference with TV or radio reception you can try to correct the interference by one or more of the following measures :

- A) Reorient or relocate the receiving antenna .
- B) Increase the separation between the equipment and receiver .
- C) Plug the equipment into a different outlet so that it is not on the same circuit as the receiver .

If necessary , consult the dealer or an experienced radio / TV technician for additional suggestions .


CAUTION:

Changes or modifications to this equipment not expressly approved by the manufacturer for compliance could void the user's authority to operate this equipment .

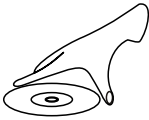
Listening to Compact Disc

■ Compact Disc

Handling the Discs :

This unit has been designed specifically for sound reproduction from compact discs bearing the  mark . No other discs can be used .

- Always place the compact disc in the disc tray with the label facing upward . (Compact discs can be played only on one side) .
- To remove a disc from its storage case , press down on the center of the case and lift the disc out , holding it carefully by the edge .



HANDLE DISC ONLY AS SHOWN

- Fingermarks and dust should be carefully wiped off the disc recorded surface with a soft cloth (not included) .



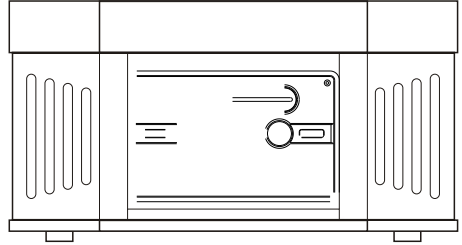
CLEAN FROM CENTER TO EDGE

- Never use chemicals such as : record sprays , anti-static sprays or fluid , benzene or thinner to clean compact discs . Such chemicals will do irreparable damage to the disc's plastic surface .
- Discs should be returned to their cases after use to avoid serious scratches that could cause the laser pickup to skip .
- Do not expose discs to direct sunlight or high humidity and temperature for extended periods . Long exposure to high temperature can warp the disc .
- Do not stick paper or write anything with a ballpoint pen on the surface of the label side .
- Do not use irregular shaped CD's (octagonal , heart-shape, etc .) , all of which can damage the unit .

Basic Operation

① Power on .

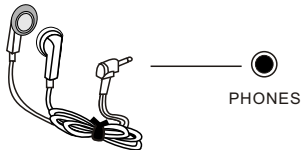
Connect the power plug into the wall outlet .



(A)

(B)

(A) Listening through Earphones / Headphones .



The sound from all speakers is cut off .

(B) BBS

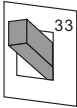
Bass Boost Sound.

Press once to switch on BBS / Press again to switch off.

Listening to a Record

① Switch the PHONO CDTUNER knob to select PHONO .

② Select player speed .



④ Remove the tone arm-rest holder .

⑤ Lift the Que-lever and move the tone arm gently to the desired position over the record .

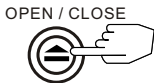
⑥ Lower the Que-levers slowly .

⑦ The tone arm will return to the tone arm-rest automatically after reaching the end of the record .

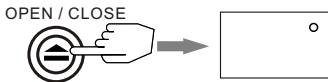
Listening to CD

① Switch the PHONO/CD TUNER knob to select CD.

② Open the tray, and place the CD on the tray.

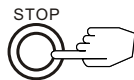


③ Close the tray and start playing the CD.

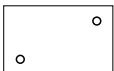


The CD will start playing from the first track.

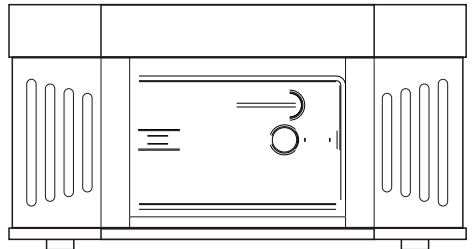
(A) Stopping the CD play.



(B) Pausing the CD play.



Pressing the PLAY / PAUSE button will restart playing the CD.



CD's should be placed in their trays with the label side up.

(C) Press the button once to the beginning of the next track.

Press the button once to go back to the start of the current track. Press the button twice to go back to the start of the previous track.

(D) Fast Reverse (FR) and Fast Forward (FF)

You can reverse or forward to any point in a selected track by pushing and holding the FR or FF button.

NOTE : Do not push both buttons together as this may damage the unit.

As the unit is tracking quickly, forward or backward you will hear your selection playing at a distorted speed. Simply release the depressed button to continue playing at normal speed at the desired position in the selected track.

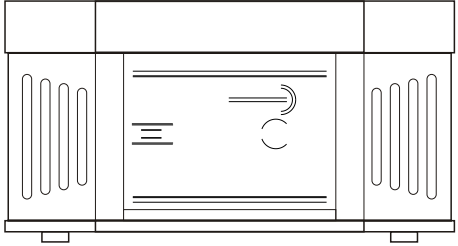
Do not switch off the unit during CD-function, because it will damage the unit.

Listening to Radio

① Switch the PHONO CDTUNER knob to select TUNER .

② Switch the AM / FM knob to select desired band .

③ Tune to the desired frequency .



(A) FM reception

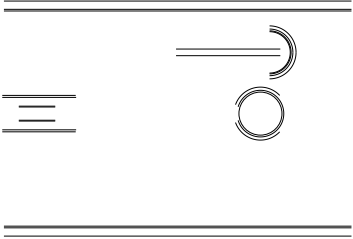
Any strong FM station will cause the FM stereo indicator light to illuminate .

Weaker stations cannot be received in stereo so the light will not illuminate and reception will automatically switch to mono .

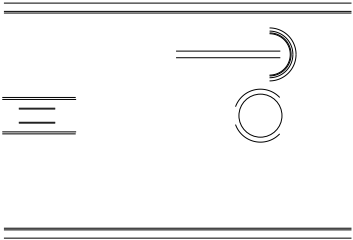
(B) Antenna

For optimal FM reception be sure to stretch the built-in FM antenna wire located at the lower back of the unit and move it around until the station you have tuned in is being received clearly .

Repeat Play



Program



Specifications

AMPLIFIER section

Output Power 2W + 2W (U.S.A. / Canada)
Frequency Response 60 to 20,000Hz

TUNER section

FM Section

Frequency Range 87.5 to 108.5MHz

AM Section

Frequency Range 525 to 1710KHz (U.S.A. / Canada)

CD PLAYER section

Frequency Response 60 to 20,000Hz +/- 4dB
Signal - to -Noise ratio 55dB (1EC -A)

PHONO section

Motor DC servo motor
Drive System Belt Drive
Speeds 33 - 1/3rpm , 45rpm and 78rpm
Wow & Flutter 0.4% (WRMS)
Stylus 402 - M208 - 165
Output Level 160 ~ 380mV (5cm/sec at 1kHz)

SPEAKER SYSTEM section

Impedance 8 ohms
Input Power Max. 5W

GENERAL

Power Requirements 120V AC, 60Hz (U.S.A. / Canada)
Power Consumption 19W
Dimension (W x H x D) 20" x 7.30" x 13" (approx.)
Weight 35.27lbs. (Approx.)
Standard Accessories Operating Instruction Booklet
Warranty Card
45 rpm Adaptor

Troubleshooting guide

In case of trouble with the unit , please look through this chart and see if you can solve the problem by yourself before calling your dealer .

	Problem	Cause	Solution
The whole unit	Power does not come on when the power switch is pressed	Unit is unplugged	Connect the unit to the AC power supply
	No sound comes out of the speakers	The volume is turned down (to MIN) The input selector does not match the playback source	Adjust the volume Re-select the input source
	The sound is noisy	The unit is too close to a TV set or another similar appliance	Turn off the TV or other appliance ,and relocate the unit
Tuner unit	Can not listen to any station , or signal appears weak	The station is not tuned in properly A TV set is being used nearby	Tune in the station correctly Turn off the TV set
	The sound is distorted	The antenna is not oriented properly	Re-orient the antenna until reception improves
CD Player	Play stop immediately after starting to play the CD , or play pauses or stops during play	The CD is inserted upside down The CD is dusty or dirty , or there is condensation on the CD	Insert the CD with the printed side upper most Clean and dry the CD
	No sound	The CD player is paused	Press the PLAY / PAUSE button
	Specific CD is noisy , or playback stops or skips	The CD is scratched , damaged or warped The disc is very dirty	The CD should be changed Clean the CD